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PATENT & TRADEMARK OFFICE

—IPW # 1639

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Complete if Known	
Application No.	10/019,052
Filing Date	April 22, 2002
First Named Inventor	Roger NEW *et al.*
Group Art Unit	1639
Examiner Name	Mark Lance Shibuya

Total Number of Pages in This Submission **90**

Attorney Docket No.	1417-212
Customer No.	06449
Confirmation No.	5183

ENCLOSURES *(check all that apply)*

[X] Fee Transmittal Form

   [ ] Fee Attached

[X] Amendment/Reply

   [ ] After Final

   [ ] Affidavits/declaration(s)

[ ] Extension of Time Request

[ ] Express Abandonment Request

[X] Information Disclosure Statement and PTO-1449

[X] Certified Copy of Priority Document(s)

[ ] Response to Missing Parts/ Incomplete Application

   [ ] Response to Missing Parts under 37 CFR 1.52 or 1.53

[ ] Assignment Papers

[ ] Drawing(s)

[ ] Licensing-related Papers

[ ] Petition

[ ] Petition to Convert to a Provisional Application

[ ] Power of Attorney, Revocation Change of Correspondence Address

[ ] Terminal Disclaimer

[ ] Request for Refund

[ ] CD, Number of CD(s)

[ ] After Allowance Communication to Group

[ ] Appeal Communication to Board of Appeals and Interferences

[ ] Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)

[ ] Proprietary Information

[ ] Status Letter

[X] Other Enclosure(s) *(please identify below)*:

Response to Notice to Comply and return copy and copy of Powerpoint presentation.

REMARKS:

SUBMITTED BY		Complete (if applicable)	
NAME AND REG. NUMBER	Jeffrey L. Ihnen, Reg. No. 28,957		
SIGNATURE	*[signature]*	DATE	June 20, 2006
		DEPOSIT ACCT USER ID	02-2135

L:\1417\1417-212\1417-212.TRANS.wpd

<table>
<tr><td colspan="2" rowspan="5">

FEE TRANSMITTAL
for FY 2005

(Small Entity)

[OIPE stamp: JUN 20 2006, PATENT & TRADEMARK OFFICE]

</td><td colspan="2" align="center">*Complete if Known*</td></tr>
<tr><td>Application Number</td><td>10/019,052</td></tr>
<tr><td>Filing Date</td><td>April 22, 2002</td></tr>
<tr><td>First Named Inventor</td><td>Roger NEW et al.</td></tr>
<tr><td>Examiner Name</td><td>Mark Lance Shibuya</td></tr>
<tr><td colspan="2">[X]   Applicant claims small entity status</td><td>Group Art Unit</td><td>1639</td></tr>
<tr><td colspan="2"></td><td>Attorney Docket Number</td><td>1417-212</td></tr>
<tr><td>Total Amount of Payment</td><td>($)690.00</td><td>Confirmation Number</td><td>5183</td></tr>
</table>

METHOD OF PAYMENT (check one)

1. [X] The Commissioner is hereby authorized to charge the fees indicated below or credit overpayment to Deposit Account Number 02-2135 in the name of Rothwell, Figg, Ernst & Manbeck

   [X] Charge any additional fee required under 37 CFR 1.16 and 1.17 to Deposit Account No. 02-2135.

2. [ ] Payment by check enclosed

FEE CALCULATION

1. FILING, SEARCH AND EXAMINATION FEES

Code	Fee	Fee Description	Fee Paid
1001	150	Utility Filing Fee	[ ]
	395	*filed before Dec. 8, 2004*	[ ]
1111	250	Utility Search Fee	[ ]
1311	100	Utility Examination Fee	[ ]
1002	100	Design Filing Fee	[ ]
	175	*filed before Dec. 8, 2004*	[ ]
1112	50	Design Search Fee	[ ]
1312	65	Design Examination Fee	[ ]
1003	100	Plant Filing Fee	[ ]
	275	*filed before Dec. 8, 2004*	[ ]
1113	150	Plant Search Fee	[ ]
1313	80	Plant Examination Fee	[ ]
1004	150	Reissue Filing Fee	[ ]
	395	*filed before Dec. 8, 2004*	[ ]
1114	250	Reissue Search Filing Fee	[ ]
1314	300	Reissue Examination Fee	[ ]
1005	100	Provisional Filing Fee	[ ]

SUBTOTAL $

2. CLAIMS

			Extra Claims	Fee	Fee Paid
Total Claims	[ ] - 20* =	[ ] x	$25 =	[ ]	
Independent Claims	[ ] - 3* =	[ ] x	100 =	[ ]	
Multiple Dependent Claims	+	180 =	[ ]		

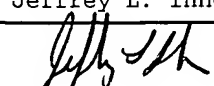*or number previously paid, if greater

SUBTOTAL $

3. APPLICATION SIZE FEE

Total Sheets [ ] - 100 = [ ]/50 = [ ]** x $125 =

** Number of each additional 50 or fraction thereof

SUBTOTAL $

FEE CALCULATION (continued)

4. ADDITIONAL FEES

Fee Code	Fee Paid	Fee Description	Fee Paid
1051	65	Surcharge - late filing fee or oath	[ ]
1052	50	Surcharge - late provisional filing fee or cover sheet	[ ]
1053	130	Non-English specification	[ ]
1812	2,520	For filing a request for reexamination	[ ]
1804	920	Requesting publication of SIR prior to Examiner action	[ ]
1805	1,840	Requesting publication of SIR after Examiner action (reduced by basic filing fee paid)	[ ]
1251	60	Extension for reply within first month	[ ]
1252	225	Extension for reply within second month	[ ]
1253	510	Extension for reply within third month	[510.00]
1254	795	Extension for reply within fourth month	[ ]
1255	1,080	Extension for reply within fifth month	[ ]
1401	250	Notice of Appeal	[ ]
1402	250	Filing a brief in support of an appeal	[ ]
1403	500	Request for Oral Hearing	[ ]
1451	1,510	Petition to institute a public use proceeding	[ ]
1452	250	Petition to revive -unavoidable	[ ]
1453	750	Petition to revive - unintentional	[ ]
1807	50	Processing fee under 37 CFR 1.17(q)	[ ]
1806	180	Submission of Information Disclosure Statement	[180.00]
1809	395	Filing a submission after final rejection (37 CFR .129(a))	[ ]
1810	395	For each additional invention to be examined (37 CFR 1.129(b))	[ ]
1801	395	Request for Continued Examination (RCE)	[ ]
1802	900	Request for expedited examination of a design application	[ ]
1504	300	Publication fee for early, voluntary, or normal publication	[ ]
1505	300	Publication fee for republication	[ ]
1455	200	Filing application for patent term adjustment	[ ]
1456	400	Request for reinstatement of term reduced	[ ]
1814	65	Statutory Disclaimer	[ ]
Other fee (specify)			[ ]

SUBTOTAL $690.00

SUBMITTED BY				Complete (if applicable)	
NAME AND REG. NUMBER	Jeffrey L. Ihnen, Reg. No. 28,957				
SIGNATURE	*[signature]*	DATE	June 20, 2006	DEPOSIT ACCOUNT USER ID	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.   : 10/019,052
Applicant   : Roger New
Filed   : April 22, 2002
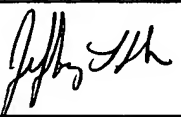TC/A.U.   : 1639
Examiner   : Mark Lance Shibuya

Docket No.   : 1417-212
Customer No.   : 06449
Confirmation No. : 5183

Mail Stop: Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

<u>RESPONSE TO NOTICE TO COMPLY WITH REQUIREMENTS</u>

In response to the Notice to Comply with Requirements mailed December 20, 2005, Applicants submit that the current application does not need a Sequence Listing. The consecutively listed amino acid symbols in the tables on pages 17, 18, 21 and 23 do not represent peptide sequences. They merely indicate the types of head groups of specific embodiments. An amendment to the specification deleting the unnecessary sequence identifiers and the Sequence Listing were made herewith.

[X] Customer Number or Bar Code Label **6449**					
Name	Jeffrey L. Ihnen, Reg. No. 28,957				
Signature				*Date*	June 20, 2006
Address	Rothwell, Figg, Ernst & Manbeck Suite 800, 1425 K Street, N.W.				
City	Washington	*State*	D.C.	*Zip Code*	20005
Country	U.S.A.	*Telephone*	202-783-6040	*Fax*	202-783-6031

	Application No.	Applicant(s)
Notice to Comply	10/019,052	NEW
	Examiner	Art Unit
	SHIBUYA	1639

[Stamp: OIPE JUN. 20 2006 PATENT & TRADEMARK OFFICE]

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant must file the items indicated below within the time period set in the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

☒ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).

☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).

☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).

☒ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."

☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).

☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable from of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).

☐ 7. Other: Please see attached sheet.

Applicant Must Provide:

☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".

☐ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.

☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (571) 272-2510
For CRF Submission Help, call (571) 272-2501/2583.
PatentIn Software Program Support
    Technical Assistance......................................703-287-0200
    To Purchase PatentIn Software.......................703-306-2600

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR REPLY